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Version: 'V04-000'

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! FACILITY: DSR (Digital Standard RUNOFF) / DSRPLUS

ABSTRACT:

Defines literals and macros used in defining, controlling, and accessing the dynamic memory pool.

ENVIRONMENT: Transportable BLISS

AUTHOR: Rich Friday

**CREATION DATE: 1978** 

MODIFIED BY:

004 KAD00004 Keith Dawson 07-Mar-1983

Global edit of all modules. Updated module names, idents, copyright dates. Changed require files to BLISS library.

MACRO

Structures defining information stored in a dynamic memory pool.

POOL = VECTOR [POOL\_CNTRL\_SIZE] %;
PAD = VECTOR [PAD\_CNTRL\_SIZE] %;

LITERAL

POOL\_CNTRL\_SIZE = 3. !Size of POOL control area. !Size of a Pooled Area Descriptor.

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DMDEFS.REQ:1
           Offsets into pool control area (POOL) and pool area descriptor (PAD).
LITERAL
           POOL_MAX_PADS
POOL_ACT_PADS
POOL_ACT_SIZE
                                  = 0,
= 1;
= 2;
                                               !Maximum number of PADs that can be accommodated. !Current number of allocated PADs. !Number of BPVALS in pool control area.
LITERAL
           PAD_SIZE
PAD_ADDRESS
                                   = 0;
                                               !Size of pooled area (BLISS VALUES). !Start of pooled area.
! The GET_SEG_ADDR macro returns the starting address of a segment from the ! specified pool. MACRO
     GET_SEG_ADDR(AREA, INDEX) =
BEGIN
           PADTAB : REF VECTOR:
           PADTAB = .AREA+POOL_CNTRL_SIZE*XUPVAL;
.PADTABCPAD_CNTRL_SIZE*(INDEX-1)+PAD_ADDRESS]
END
      %:
                                   End of DMDEFS.REQ
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